

Assigned DOGM File No.: S 10451 067  
DOGM Lead: PBB  
Permit Fee \$ 150.00 Ck # 8024

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
Telephone: (801) 538-5291 Fax: (801) 359-3940

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DIV OF OIL GAS & MINING

**NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS**

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" means mining operations which disturb five or less surface acres at any given time.

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**I. GENERAL INFORMATION (Rule R647-3-104)**

1. Name of Mine: Ophir Limestone
2. Name of Person or Entity Applying for Permit: Broken Arrow, Inc  
Contact (Authorized Officer): Stephen Bunn, president  
Address: Box 580  
City, State, Zip: Towne, Utah 84074  
Phone: 801-355-5291 Fax: 435-880-6911  
E-mail Address: S.Bunn@BrokenArrowUSA.com

Company ( ) Corporation ☒ Partnership ( ) Individual ( )  
Other ( ) - specify type \_\_\_\_\_

A corporation must be registered with the State of Utah, Division of Corporations. Are you currently registered to do business in the State of Utah? ☒ Yes ☐ No

Business License # 04-010

Registered Agent (as identified on business license): Stephen G Bunn  
Address: 8860 North Highway 40, Subpoint 44 84074  
City, State, Zip: \_\_\_\_\_  
Phone: 801-355-5291 Fax: 435-880-6911  
E-mail Address: \_\_\_\_\_

3. Name of Operator (if different from #2) \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

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**If Partnership or Individual:****Name of 1<sup>st</sup> owner / partner:** \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**Name of 2<sup>nd</sup> owner / Partner:** \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**If Corporation or Limited Liability Entity:****Name of Officers:** \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

**4. Permittee / Operator Representative (if different from #2):**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**5. Ownership of Land Surface:**Private (Fee) ☒Public Domain (BLM) ☐National Forest (USFS) ☐State Trust Land/School Sections ☐State Sovereign Lands ☐

Other (please describe): \_\_\_\_\_

Name Ronald JohnsonAddress 1965 West 142005a Rendon UT 84406

Name \_\_\_\_\_

Address 801-254-6032

Name \_\_\_\_\_

Address \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

**6. Ownership of Minerals:**Private (Fee) ☒Public Domain (BLM) ☐National Forest (USFS) ☐State Trust Land/School Sections ☐State Sovereign Lands ☐

Other (please describe): \_\_\_\_\_

Name Same

Address \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

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BLM Lease or Project File Number(s) and/or USFS assigned Project Number(s): \_\_\_\_\_

BLM Claim Numbers \_\_\_\_\_

Utah State Lease Number(s): \_\_\_\_\_

Name of Lessee(s) \_\_\_\_\_

7. **Have the above surface and mineral owners been notified in writing?**Yes X No \_\_\_\_\_

If no, why not? \_\_\_\_\_

*Please be advised that if State Trust Lands are involved, notification to the Division of Oil, Gas and Mining alone does not satisfy the notification requirements of Mineral Leases upon State Trust Lands. Exploration or mining activity on State Trust Lands requires a minimum of 60 days notice to the Trust Lands Administration **prior** to commencing any activities. Please contact the School Institutional Trust Lands Administration (SITLA) at (801) 538-5508 for notification requirements.*

8. **Does the Permittee / Operator have legal right to enter and conduct mining operations on the land covered by this notice?** Yes X No \_\_\_\_\_**II. PROJECT LOCATION & MAP (Rule R647-3-105)**1. **Project Location** (legal description):

County(ies): Tazewell  
West Half NE Quarter  
 \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4: Section: 23 Township: 05S Range: 04W  
 \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4: Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
 \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4: Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

UTM East \_\_\_\_\_ (if known) UTM North \_\_\_\_\_ (If known)

Name of Quad Map for Location: OPH1R

2. An accurate topographic base map showing the location of the proposed small mining operation must be submitted with this notice. A USGS 7.5 minute series map is preferred. The areas to be disturbed should be plotted in sufficient detail so that they can be located on the ground. It is recommended that the Permittee / Operator also photo document, plot and label any pre-existing disturbances in the immediate vicinity that he is not responsible for.
3. The proposed (5 acre or less) disturbed area boundary (including access/haul roads) **should** be marked in the field ON THE GROUND with metal T-Posts (or with some other marker of equal effectiveness). Markers should be appropriately spaced so that the next marker in either direction is clearly visible with the naked eye.

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**III. OPERATION PLAN (Rule R647-3-106)**

1. Type of mining: Surface ☒ Underground ☐
2. Mineral(s) to be mined: lime rock - previously mined
3. Amount of material to be extracted, moved or proposed to be moved: 20,000 Tons
4. Will any water, liquid chemicals, reagents, or other solutions be used, produced or discharged as part of the mining or milling process?  
Yes ☒ No ☐ If yes, please describe (add extra pages if needed)  
\_\_\_\_\_  
\_\_\_\_\_
5. Provide a brief description of the proposed mining operation and onsite processing facilities (add extra pages if necessary). Clean-up of an existing pit with large amounts of broken rock previously mined many years ago. We will utilize 7 rock Hoes (3) Dozer (885sq), 4x2 Front-End loader, and Screening plants (2) - also 2 Rock Trucks (35 Ton)
6. ☐ New Road(s): Length \_\_\_\_\_ (ft) Width \_\_\_\_\_ (ft)
7. ☐ Improved Road(s): Length \_\_\_\_\_ (ft) Width \_\_\_\_\_ (ft)
8. Total project surface acreage to be disturbed: 5 (acres) **PLEASE SPECIFY EXACT ACREAGE - (this will be used to determine surety bond amount - see #VI).**
9. Proposed startup date of project (month, year) Aug. 21, 2005
10. Proposed completion date of project, if known (month, year) Nov 30, 2005

**IV. OPERATION AND RECLAMATION PRACTICES (Rule R647-3-107, 108 & 109)**

The reclamation and operation obligation is to keep the area clean and safe, minimize hazards to public safety, return the land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover. To accomplish this, the Permittee / Operator will need to perform reclamation concurrently, or at the completion (within one (1) year) of mining:

1. Keep the mining operation in a safe, clean, and environmentally stable condition.
2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
3. Plug drill holes with a five foot cement surface plug. Holes that encounter fluids are to be plugged in the subsurface to prevent aquifer contamination.
4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
5. Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
6. Remove all waste or debris from stream channels.

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7. Dispose of any trash, scrap metal, wood, machinery, and buildings.
8. Conduct mining activities so as to minimize erosion and control sediment.
9. Reclaim all roads that are not part of a permanent transportation system.
10. Stockpile topsoil and suitable overburden prior to mining.
11. Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.
12. Properly prepare seedbed to a depth of six inches by pocking, ripping, discing, or harrowing. Leave the surface rough.
13. Reseed disturbed areas with adaptable species. (The Division recommends a mixture of species of grass, forb, and browse seed, and will provide a specific species list if requested.)
14. Plant the seed with a rangeland or farm drill, or broadcast the seed. Fall is the preferred time to seed.

#### V. VARIANCE REQUEST (Rule R647-3-110)

Any variance request must be approved in writing by the Division

Yes ☒ No ☐

Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

Item Number	Variance Request Justification
3-109.13	Previously disturbed site with no previous vegetation

#### VI. SURETY (Act 40-8-7(1)[c])

**The surety must be provided to and approved by the Division prior to commencement of operations.**

The Utah Mined Land Reclamation Act (40-8-7 (1)[c] and 40-8-14 provides the authority that all mining operations furnish and maintain reasonable surety to guarantee that the land affected is reclaimed according to approved notices consistent with on-site conditions. The surety amount is based on the nature, extent and duration of operations. These amounts are based on data from current large mine surety and are used as a general guide, along with actual site conditions.

\$5,000 for the 1<sup>st</sup> acre; and  
\$3,000 for each additional acre.

Re-vegetate only \$5,000

Acceptable forms of surety may include: certificates of deposit, letters of credit, surety bonds & cash. Please identify which type of surety you will post so we can provide you with the appropriate forms.

☐ Certificate of Deposit      ☐ Letter of Credit      ☐ Surety Bond      ☒ Cash  
☐ Other \_\_\_\_\_ (please identify)

(please be advised that the State Treasurer's office may require additional monies to administer cash sureties).

Check if applicable:

☐ Reclamation surety is already posted with another regulatory agency (copy must be included as proof):

\$ \_\_\_\_\_ (amount) \_\_\_\_\_ (Agency name)

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**VII. PERMIT FEE [Mined Land Reclamation Act 40-8-7(1)(i)]**

The Utah Mined Land Reclamation Act of 1975 [40-8-7(1)(i)] provides the authority for the assessment of permitting fees. Commencing with the 1998 fiscal year (July 1 - June 30), permit fees are assessed to new and existing notices of intention, and annually thereafter, until the project disturbances are successfully reclaimed by the Permittee / Operator and released by the Division.

**Small Mine Notices require a \$150.00 fee which must accompany this application or it cannot be processed by the Division.**

**NOTICE:** The following person(s) are authorized and designated to receive Notices of Violations, Cessation Orders and all other Notices required by the Division to be given to the permittee or operator:

Name: Sidney K. Hullinger  
 Address: Box 580  
 City, State, Zip: Tropic UT 84074  
 Phone: 801-355-0527 Fax: 435-992-6911  
 E-mail Address: \_\_\_\_\_

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail Address: \_\_\_\_\_

**VIII. SIGNATURE REQUIREMENT**

I hereby verify that the foregoing information is true and accurate and commit to the reclamation of the aforementioned small mining project as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

**(Please check the box and place your initials on the line provided)**

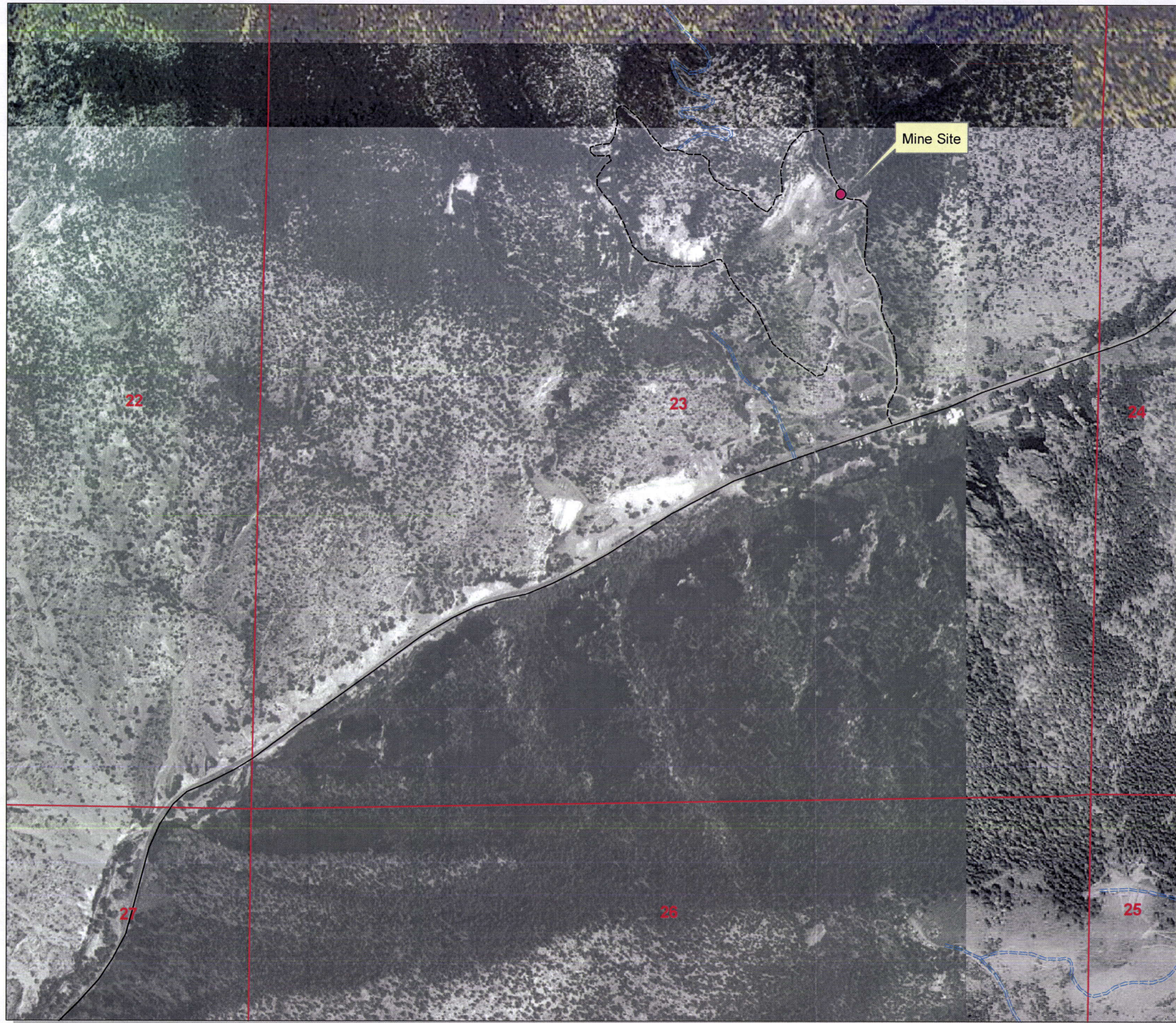
- ☒ I have enclosed the required permit fee.
- ☒ I have also enclosed the appropriate reclamation surety amount or have made arrangements as to when the surety will be furnished.
- ☐ I understand that I am not authorized to create any surface disturbance until the surety amount is posted and approved in writing from the Division of Oil, Gas and Mining and any other authorized regulatory agency.

**(Note: If a company or corporation, this form must be signed by the owner or officer who is authorized to bind the company/corporation to this Notice.)**

Signature of Permittee/ Operator/ Applicant: Sidney K. Hullinger  
 Name (typed or printed): Sidney K. Hullinger  
 Title/Position (if applicable): Senior Vice President  
 Date: 10-12-05

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**Mine Number: M0450066**  
**Mine Name: Ophir**  
**Township 05 S Range 04 W Section 23 SLBM**

Inspection Date Oct. 11, 2005  
Map Produced by DKS

Acres Disturbed	0
Acres Regraded	0
Acres Seeded	0
Road Acres Disturbed	0

Total Acres Distrubed	0
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Acres Released	0
Acres Excluded	0
Acres PreExisting	0
Acres Prelaw	0

**Legend**  
All items symbolized in legend may not be appear on map

- |                 |   |
|-----------------|---|
| County Boundary | Township or range Line                    |
| Access          | Township or range line: location doubtful |
| Mine            | Section line                              |
| NonMine         | Section line: location doubtful           |
| Other           | Disturbed                                 |
| Interstate      | Regraded                                  |
| US Route        | Seeded                                    |
| State Route     | Released                                  |
| Primary Route   | Excluded                                  |
| Secondary Route | PreExisting                               |
| Main Dirt Road  | Prelaw                                    |
| Unimproved Road | Bond Area                                 |
| Interchange     | SITLA Mineral Leases                      |
| Trail           | BLM Leases                                |
|                 | Community Pit                             |

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DOQ imagery date 1997



0 625  
Feet

1:7,500 1 inch equals 625 feet  
Verify Scale

Dept. of Natural Resources  
Division of Oil, Gas, and Mining  
Mineral Mines Program

Different data sources and input scales  
may cause misalignment of data layers.  
This product may not meet DOGM  
standards for accuracy and content.